Flex 120™

Acclaim™

Flex 120™ is a low profile, exterior-rated linear LED strip that can be directly powered from AC mains dimmers to fit seamlessly with existing control systems and eliminate the need for external power supplies.

Fully sealed lengths are supplied from 1.64 feet (0.5m) up to 65 feet (20m). Open-ended Flex 120 strips are also available to allow multiple strips to be daisy-chained to a maximum overall length of 131' (40m). As an integral part of each installation, all Flex 120 strips must be mounted and protected within matching aluminum channels (two styles and three lengths available) with the option of matching diffusion lenses.

Numerous emitter choices are available, with white color temperatures from 2700K to 5000K as well as saturated red, green, blue or amber colors.

At a glance

Optics

160°

Direct ELV mains dimming

Emitters

CCT whites

2700K   3000K   3500K   4000K   5000K

Saturates

Red   Green   Blue   Amber

Power

120VAC
60Hz

Consumption

3.8W per foot
12.4W per meter

Output

Up to
371 lumens
per 1.64 feet (0.5m)

Temperature

-40° F to 122° F
-40° C to 50° C

Protection

Ingress: **IP66**
Impact: **IK08**

Configure your product

FAC-101-X nn   U

*Example final code: **FAC-101-X12ACU***

Length:
nn = Please specify the number of 1.64' (0.5m) sections required. For example, 20ft (6m) would be expressed as **12** *(0.5m x 12 = 6m)*

End type:
A = End cap
L = Link connector*

Emitters:
A = 2700K
C = 3000K
D = 3500K
E = 4000K
G = 5000K
N = Red
P = Green
Q = Blue
R = Amber

* Indicates special order item, which may require longer lead times

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Specifications

Emitters	2700K, 3000K, 3500K, 4000K, 5000K, Red, Green, Blue or Amber
Photometrics	Up to 371 lumens per 1.64' (0.5m) section, CRI >80 *(see below)*
Beam angle	160°
Lumen maintenance	L_{70} 50,000 hours (@ 25º C)
Strip length	Built to order: 1.64' (0.5m) minimum, 65.6' (20m) maximum
Maximum fixtures in series	Interconnect lengths up to 131' (40m) maximum
Operating voltage	120VAC
Power consumption	3.8W per foot, 12.4W per meter
Control	10-100% dimming via ELV (reverse phase/trailing edge) or sinewave dimming *0-10V or DMX control also available using optional UDM module*
Connection	ETL-listed AC junction box with 10' (3m) feed cable (required)
Material	PVC, UV stabilized
Finish	Transparent sleeve, white PCB
Mounting	Via aluminum channel (required)
Operating temperature range	-40° F to 122° F (-40° C to 50° C)
Ingress protection	IP66, wet and dry location – not for use where water can accumulate. GFCI/RCD breaker required
Impact protection	IK08, protection against 5 joule impact (30cm distance)
Warranty	5 years, limited
Dimensions	*See page 4*
Certifications	cETLus Intertek CE

Photometrics

For all available IES files, please visit acclaimlighting.com/flex-120

Color temperature	Lumens (per ft)	Max Candela	Efficacy (lm/W)	CRI (Ra)	TM30
2700K	308	108	56	83.8	84.2
3000K	371	127	69	80	79.3
3500K	366	134	66	81.7	80.1
4000K	360	128	69	82.5	80.2

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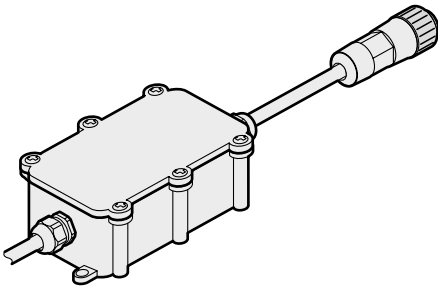# Related components

Connection accessory
Feed cable with junction box
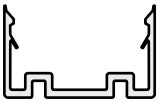*(one required per run of strips)*

Part #   **FACFCB10**

Mounting accessories
Low profile aluminum channel

1.64' (0.5m)	**FACLPC500**
3.28 (1m)	**FACLPC1000**
6.56' (2m)	**FACLPC2000**

Tall profile aluminum channel
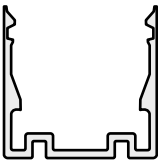
1.64' (0.5m)	**FACTPC500**
3.28 (1m)	**FACTPC1000**
6.56' (2m)	**FACTPC2000**

Lenses (for both channel types)

	Clear	Frosted	Opal
1.64' (0.5m)	**FACCL500**	**FACFL500**	**FACOL500**
3.28 (1m)	**FACCL1000**	**FACFL1000**	**FACOL1000**
6.56' (2m)	**FACCL2000**	**FACFL2000**	**FACOL2000**

Installation tool
Rolling wheel install tool

Part #   **FACIT**

Signal protocol converter
0-10V (or DMX) to ELV dimming converter
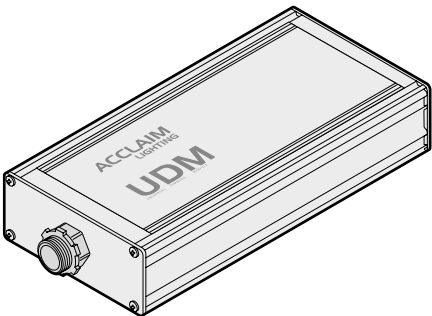
Single channel converter   **UDM**

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Dimensions

Terminated strip

2.76" (70mm) | 1.64' (0.5m) to 65.6' (20m) | 1.1" (28mm) | 0.75" (19mm)

0.51" (13mm) | 0.43" (11mm)

Connection box

4.96" (126mm)
3.17" (80.5mm)
1.42" (36mm)

1.57" (40mm)
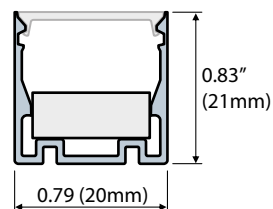2.56" (65mm)
3.58" (91mm)
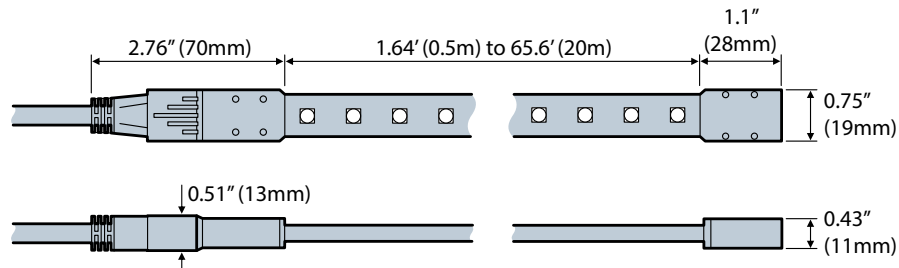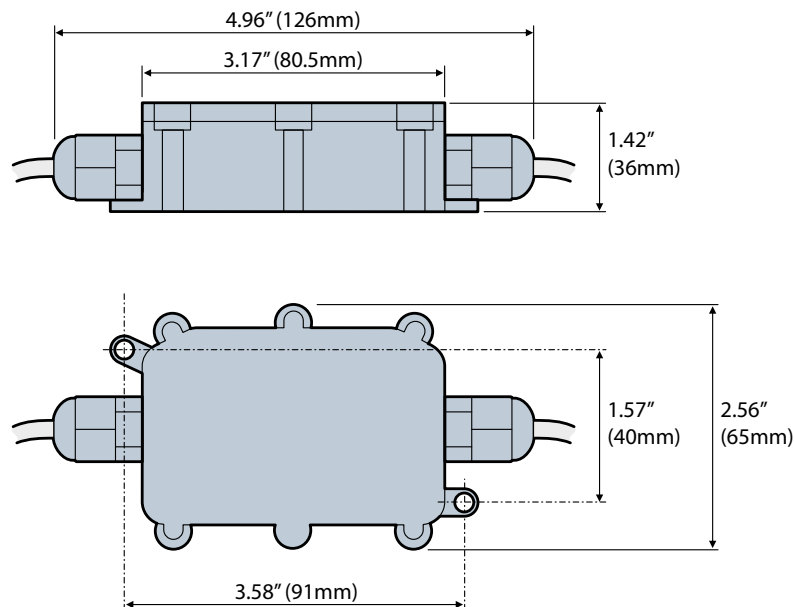
Low profile channel (end view)

0.51" (13mm)
0.79" (20mm)
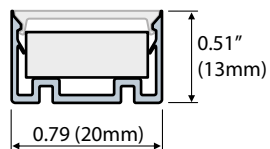
Low profile channels have Ø0.14" (Ø3.5mm) mounting holes spaced 7.87" (200mm) apart along the length of their bases.

Tall profile channel (end view)

0.83" (21mm)
0.79" (20mm)

Tall profile channels have 0.39" x 0.16" (10mm x 4mm) mounting slots spaced 7.87" (200mm) apart along the length of their bases.
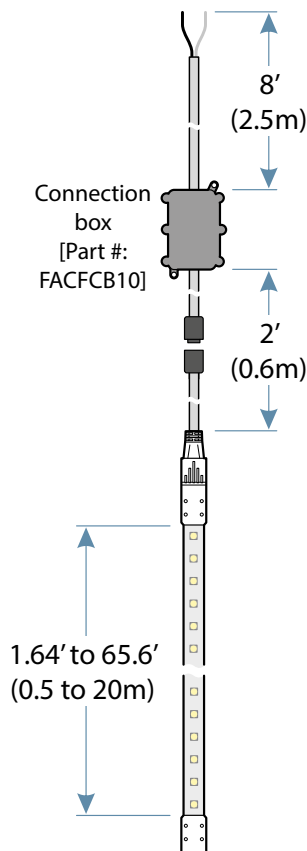
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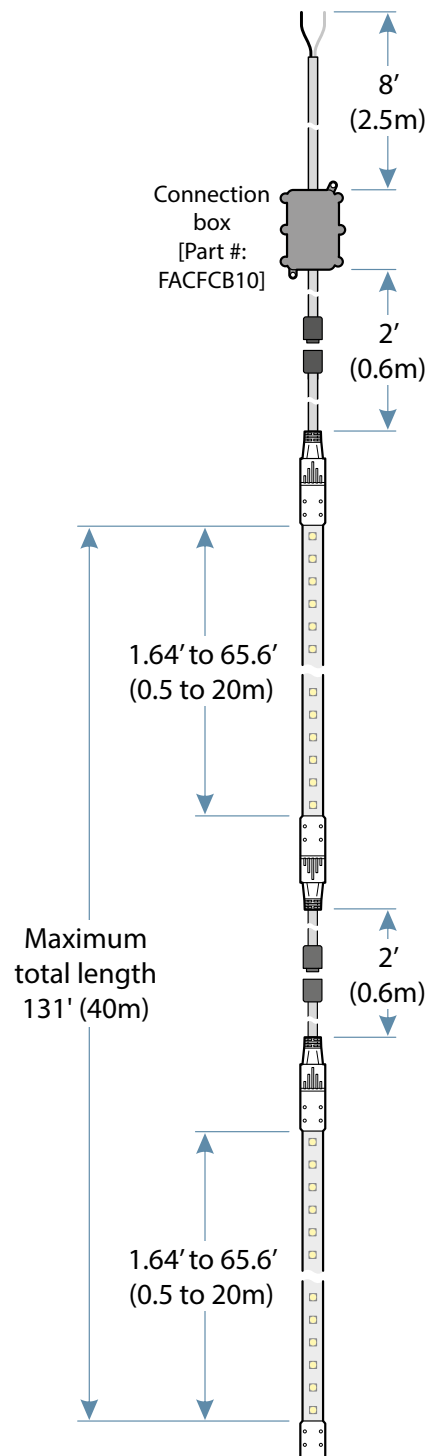
Flex 120 strip lengths

Flex 120 strips are fully created and sealed at manufacture to ensure the integrity of the mains level power rails located within. Two styles of Flex 120 strip are available:

- **Terminated strips** - used in isolation or as the final item in a multi-strip chain, or
- **Open strips** - with input and output connections, these strips can be daisy-chained with others, up to a maximum length of 131' (40m).

Single Flex 120 terminated strip

8' (2.5m)

Connection box [Part #: FACFCB10]

2' (0.6m)

1.64' to 65.6' (0.5 to 20m)

Multiple Flex 120 strips (open and terminated)

8' (2.5m)

Connection box [Part #: FACFCB10]

2' (0.6m)

1.64' to 65.6' (0.5 to 20m)

Maximum total length 131' (40m)

2' (0.6m)

1.64' to 65.6' (0.5 to 20m)

For full installation details, please refer to the **user guide**, available for free download here: